

REMARKS

Claims 1 through 24 are pending in this application. Claims 1, 9 and 17 are the independent claims.

Claims 1-2, 9-10 and 17-18 were rejected under 35 U.S.C. § 102(e) as being anticipated by Talluri et al., U.S. Patent No. 5,884,313. Claims 3, 4, 11, 12, 19 and 20 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Talluri in view of Osborne, U.S. Patent No. 6,078,733. Claims 5, 6, 13, 14, 21 and 22 are rejected under 35 U.S.C. § 103 (a) as being unpatentable over Talluri in view of Osborne and further in view of Krishnan et al., U.S. Patent No. 4,922,416. Claims 7, 8, 15, 16, 23 and 24 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Talluri in view of Osborne and further in view of Krishnan et al. and Chow et al, U.S. Patent No. 6,052,387.

35 U.S.C. §§ 102(e) and 103(a) Rejections

Claims 1, 2, 9, 10, 17 and 18 are rejected under 35 U.S.C. § 102(e) as being anticipated by Lundberg. It is noted that Lundberg was issued and published more than one year prior to the filing date of the present application.

According to the embodiments of independent claims 1, 9, and 17, a message sent from a local device to a remote device may identify the message as a remote Direct Memory Access read operation. If the remote device determines that that is the case, the remote device is then to perform a remote Direct Memory Access write operation to the local device. In some situations, embodiments of the present invention provide an improved transfer of data between devices (e.g., in a network server system).

Claim 1, for example, recites: 1. Determining, at a remote device, whether the transport header of a message identifies the message as a remote Direct Memory Access (rDMA) read operation, and 2. performing a rDMA write operation at a local device in accordance with data elements included in the message, if the transport header of said message identifies the message as the rDMA read operation. These features are not described or suggested by the Talluri reference.

Talluri refers to a system and method for efficient remote disk I/O access. As described at Col. 3, lines 49-53, and Fig. 5, Node B is to read information from a disk drive at Node A. As indicated at Col. 6, line 60 to Col. 7, line 2, the request message sent by Node B to Node A specifies the following information: the destination node (i.e., Node A), the source node (i.e., Node B), the information source (i.e., the location in the disk drive of Node A being read), and the global address to which the requested information is to be transmitted. There is nothing in this information that identifies the request message as an rDMA read operation, an express limitation in the claim. Moreover, no such identification is suggested by Talluri; "rDMA" is not even mentioned in the disclosure of Talluri.

The Osborne, Krishnan and Chow references fail to make up for the deficiencies of Talluri. Osborne refers to message processing. Contrary to the assertions made in the Office Action, there is no disclosure in the cited section of Osborne concerning the handling of rDMA read or write messages in a Virtual Interface or otherwise. It appears from the text of the Office Action that the Krishnan reference has been cited to show a last data segment and completion of a rDMA request and that Chow shows a last buffer bit. These three references taken individually or in combination with Talluri fail to teach or suggest determining whether a message indicates a rDMA read operation and performing a rDMA write operation in accordance with data elements included in the message as

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called for in each of the pending claims. Accordingly, reconsideration and withdrawal of the rejection of claims 1-24 under 35 U.S.C. §§ 102(e) and 103(a) is respectfully requested.

CONCLUSION

In view of the above remarks, the Applicant respectfully submits that the present case is in condition for allowance and requests that the Examiner issue a notice of allowance to that effect for all currently pending claims.


Applicants authorize the Commissioner to charge any fees determined to be due under 37 C.F.R. § 1.16 or § 1.17 or credit any overpayment to Deposit Account No. 11-0600.

The Examiner is invited to contact the undersigned at (202) 220-4255 to discuss any matter concerning this application.

Respectfully submitted,

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